AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions of claims in the application: 1-54. (Canceled)

55. (Currently Amended) A method, comprising:

receiving a locative signal associated with a position and an orientation of a usermanipulable object in a plurality of degrees of freedom;

displaying an image in a graphical environment, the image correlated with the position and the orientation of the user-manipulable object; and

outputting a feedback force <u>signal corresponding to</u> in at least one of the plurality of degrees of freedom of the user-manipulable object, the feedback force responsive to the locative signal,

wherein the user-manipulable object includes a stylus coupled to a mechanical linkage, the mechanical linkage configured to enable the user-manipulable object to be movable in the plurality of degrees of freedom.

- 56. (Canceled)
- 57. (Currently Amended) The method of elaim 56 claim 55, wherein the stylus is adapted for at least one of hand use, foot use, and mouse use.
- 58. (Previously Presented) The method of claim 55, wherein the image displayed in the graphical environment includes a cursor, a motion of the cursor being correlated with the position and the orientation of the user-manipulable object.

- 59. (Previously Presented) The method of claim 55, further comprising using the feedback force to effect a motion of the user-manipulable object in the at least one of the plurality of degree of freedom.
 - 60. (Currently Amended) An apparatus, comprising:

a user-manipulable object moveable in a plurality of degrees of freedom;

at least one sensor coupled to the user-manipulable object, the at least one sensor being operative to provide a locative signal associated with a position and an orientation of the user-manipulable object in the plurality of degrees of freedom; and

a force generator coupled to the user-manipulable object and configured to output a feedback force in at least one of the plurality of degrees of freedom of the user-manipulable object, the feedback force correlated with the locative signal,

wherein the user-manipulable object includes a stylus coupled to a mechanical linkage, the mechanical linkage configured to enable the user-manipulable object to be movable in the plurality of degrees of freedom.

- 61. (Previously Presented) The apparatus of claim 60, wherein the locative signal is configured to enable a display an image in a graphical environment, the image is correlated with the position and the orientation of the user-manipulable object.
 - 62. (Canceled)

- 63. (Currently Amended) The apparatus of elaim 62 claim 60, wherein the stylus is adapted for at least one of hand use, foot use, and mouse use.
- 64. (Currently Amended) The apparatus of elaim 62 claim 60, wherein the mechanical linkage includes a plurality of joints, at least one joint from the plurality of joints is coupled to a support base.
- 65. (Previously Presented) The apparatus of claim 64, wherein the plurality of the joints include at least one rotary joint.
- 66. (Previously Presented) The apparatus of claim 65, wherein the plurality of the joints include at least one linear joint.
- 67. (Previously Presented) The apparatus of claim 64, wherein the feedback force operates to effect a motion of the user-manipulable object associated with at least one joint from the plurality of the joints.
- 68. (Previously Presented) The apparatus of claim 67, wherein the feedback force includes at least one of a resistive force and an elastic force.
- 69. (Previously Presented) The apparatus of claim 60, further comprising a processor in communication with the at least one sensor and the force generator, the processor operable to receive the locative signal from the at least one sensor and output a control signal to the force generator, the control signal causing the force generator to output the feedback force.

70. (Previously Presented) An apparatus, comprising:

a mechanical linkage having a first end and a second end, the first end of the mechanical linkage being coupled to a stylus, the second end of the mechanical linkage being coupled to a support base, the mechanical linkage including a plurality of joints configured to allow the stylus to be manipulable in a plurality of degrees of freedom;

a plurality of sensors coupled to the plurality of joints of the mechanical linkage, the plurality of sensors operative to provide a locative signal associated with a position and an orientation of the stylus; and

a force generator coupled to the mechanical linkage, the force generator configured to output a feedback force responsive to the position and the orientation of the stylus.

- 71. (Previously Presented) The apparatus of claim 70, further comprising a processor in communication with the sensors and the force generator, the processor operable to receive the locative signal from the plurality of sensors and output a control signal to the force generator, the force generator configured to output the feedback force in response to the control signal.
- 72. (Previously Presented) The apparatus of claim 70, wherein the processor is operable to send an image signal configured to enable an image being displayed in a graphical environment, the image correlated with the position and orientation of the stylus.
- 73. (Previously Presented) The apparatus of claim 70, further comprising an auxiliary sensor coupled to the stylus.

- 74. (Previously Presented) The apparatus of claim 73, wherein the auxiliary sensor includes at least one of an ultrasonic sensor, an optical sensor, and a magnetic sensor.
- 75. (Previously Presented) The apparatus of claim 70, wherein the plurality of degrees of freedom include at least five degrees of freedom.
- 76. (Previously Presented) The apparatus of claim 70, wherein the stylus is adapted for at least one of hand use, foot use, and mouse use.
- 77. (Previously Presented) The apparatus of claim 70, further comprising a resistance mechanism coupled to the mechanical linkage.
- 78. (Previously Presented) The apparatus of claim 77, wherein the resistance mechanism includes at least one of counter weights and springs.
- 79. (Currently Amended) A processor-executable program, stored on a computer-readable medium, comprising:

code to receive a locative signal associated with a position and an orientation of a usermanipulable object in a plurality of degrees of freedom;

code to display an image in a graphical environment, the image correlated with the position and the orientation of the user-manipulable object; and

code to output a feedback force <u>signal corresponding to</u> in at least one of the plurality of degrees of freedom of the user-manipulable object, the feedback force responsive to the locative signal,

wherein the user-manipulable object includes a stylus coupled to a mechanical linkage, the mechanical linkage configured to enable the user-manipulable object to be movable in the plurality of degrees of freedom.

- 80. (Previously Presented) The processor-executable program of claim 79, the image including a cursor displayed in the graphical environment, the processor-executable program further comprising: code to correlate a motion of the cursor with the position and the orientation of the user-manipulable object.
- 81. (Previously Presented) The processor-executable program of claim 79, wherein the feedback force is associated with the at least one of the plurality of degrees of freedom of the user-manipulable object.